



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substantive Examination 49A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete If Known**

Application Number	10/617,085
Filing Date	July 10, 2003
First Named Inventor	Jingseng Yu
Art Unit	
Examiner Name	
Attorney Docket Number	RBC0031-02

**U. S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
SC		US- 6,405,113	06-11-2002	Yamawaki et al.	
SC		US- 6,349,256	02-19-2002	Kin et al.	
SC		US- 6,345,218	02-05-2002	Yamanaka et al.	
SC		US- 6,233,513	05-15-2001	Furukawa et al.	
SC		US- 6,233,505	05-15-2001	Kranz et al.	
SC		US- 6,223,116	04-24-2001	Kin et al.	
SC		US- 6,130,706	10-10-2000	Hart, Jr. et al.	
SC		US- 5,790,966	08-04-1998	Madau et al.	
SC		US- 5,787,375	07-28-1998	Madau et al.	
SC		US- 5,732,372	03-24-1998	Marsden	
SC		US- 5,465,210	11-07-1995	Walenty	
SC		US- 5,434,784	07-18-1995	Bradley et al.	
SC		US- 5,422,810	06-06-1995	Bunning et al.	
SC		US- 5,343,393	08-30-1998	Hirano et al.	
SC		US- 5,311,432	05-10-1994	Momose	
SC		US- 5,253,172	10-12-1993	Ito et al.	
SC		US- 5,243,188	09-07-1993	Hattori et al.	
SC		US- 5,121,322	06-09-1992	Shiraishi et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
SC		DE4015618 A1	11-21-1991	Shiraishi Yasuhiro	US5065323 Equiv.	
SC		DE4130142 A1	03-18-1993	Zhang Rangqian	Y=English abstract	Y
SC		JP3-128768	05-31-1991	Tanabe Masahiko	Y=English abstract	Y
SC		JP4-252912	09-08-1992	Ozaki Tetsuji	Y=English abstract	Y
SC		JP6-255530	09-13-1994	Matsubara Masay	Y=English abstract	Y

Examiner  
Signature

S.C. Co.

Date

Considered

6-7-04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 159A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3

**Complete if Known**

Application Number	10/617,085
Filing Date	July 10, 2003
First Named Inventor	Jingseng Yu
Art Unit	
Examiner Name	
Attorney Docket Number	

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SC		US- 5,065,324	11-12-1991	Oshita et al.	
SC		US- 5,065,323	11-12-1991	Shiraishi et al.	
SC		US- 5,032,996	07-16-1991	Shiraishi	
SC		US- 5,001,637	03-19-1991	Shiraishi et al.	
SC		US- 4,999,776	03-12-1991	Soltis et al.	
SC		US- 4,996,657	02-26-1991	Shiraishi et al.	
SC		US- 4,961,474	10-09-1990	Daido et al.	
SC		US- 4,947,328	08-07-1990	Sugasawa	
SC		US- 4,939,654	07-03-1990	Kouda et al.	
SC		US- 4,884,647	12-05-1989	Mimuro et al.	
SC		US- 4,882,693	11-21-1989	Yopp	
SC		US- 4,867,466	09-19-1989	Soltis	
SC		US- 4,856,607	08-15-1989	Sueshige et al.	
SC		US- 4,840,389	06-20-1989	Kawabe et al.	
SC		US- 4,836,319	06-06-1989	Haseda et al.	
SC		US- 4,834,204	05-30-1989	Ito et al.	
SC		US- 4,803,629	02-07-1989	Noto et al.	
SC		US- 4,767,588	08-30-1988	Ito	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
SC		EP 0 321 082 A2	11-04-1988	Soltis		
SC		EP 0 359 673 A2	09-18-1989	Shiraishi		
SC		EP 0 546 789 A2	12-08-1992	Momose		

Examiner Signature		Date Considered	6-7-07
--------------------	--	-----------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

OIP E 3081  
OCT 14 2003

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for PTO/SB/08A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

3

of

3

### Complete if Known

Application Number	10/617,085
Filing Date	July 10, 2003
First Named Inventor	Jingseng Yu
Art Unit	
Examiner Name	
Attorney Docket Number	

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
SL		US- 4,722,545	02-02-1988	Gretz et al.	
SL		US- 4,720,791	01-19-1988	Daido	
SL		US- 4,718,685	01-12-1988	Kawabe et al.	
SL		US- 4,706,979	11-17-1987	Kawabe et al.	
SL		US- 4,706,771	11-17-1987	Kawabe et al.	
SL		US- 4,690,431	09-01-1987	Ito et al.	
SL		US- 4,652,011	03-24-1987	Hollerweger et al.	
SL		US- 4,621,833	11-11-1986	Soltis	
SL		US- 4,575,116	03-11-1986	Miyata	
SL		US- 4,564,214	01-14-1986	Tokunaga et al.	
SL		US- 4,555,126	11-26-1985	Ishimitsu et al.	
SL		US- 4,392,540	07-12-1983	Michio et al.	
SL		US- 4,345,661	08-24-1982	Nishikawa	
SL		US- 4,313,529	02-02-1982	Kato et al.	
SL		US- 3,895,816	07-22-1975	Takahashi et al.	
SL		US- 3,608,925	09-28-1971	Murphy	
		US-			
		US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	6-7-03
--------------------	--	-----------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.